

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

Claims 1-11. (Cancelled)

12. (Previously Presented) A method for reducing contention conflicts in a wireless infrastructure basic service set network, the method comprising:

coordinating by an access point a contention-free communication by the access point by computing a time duration; and

communicating the time duration for a plurality of multicast frames to a plurality of wireless stations in the infrastructure basic service set network, such that a communication stream of the plurality of multicast frames transmitted to the plurality of wireless stations is uninterrupted for the time duration, wherein time duration information is used to control a counter in a wireless station to prevent the wireless station from attempting to transmit for a predetermined period of time.

13. (Previously Presented) A method for reducing contention conflicts in a wireless infrastructure basic service set network between a mobile terminal and an access point, the method comprising:

receiving, by the mobile terminal in the infrastructure basic service set network, a computed time duration, the time duration being a period of time necessary for uninterrupted transmission of a plurality of multicast frames;

controlling a counter in response to the computed time duration; and

receiving the transmission of the plurality of the multicast frames uninterrupted for the computed time duration in response to the state of the counter.

14. (Previously Presented) The method in Claim 12, wherein the communicating step further comprises embedding and transmitting the time duration in a header of a data packet.

15-17. (Cancelled)

18. (Previously Presented) An access point in a wireless infrastructure basic service set network, the access point comprising:

means for computing a time duration for transmission of a plurality of multicast frames;

means for transmitting the time duration to counters in a plurality of devices associated with the wireless network, via digital packets embedded in a transmission stream;

wherein the access point retains control of a medium by fixing a duration field and whereby the access point can adjust the duration field to release the medium.

19. (Cancelled)

20. (Previously Presented) The access point of Claim 18, wherein the access point permits bandwidth provisioning in order to provide quality of service for a streaming service.

21. (Cancelled)

22. (Previously Presented) The method according to claim 12, wherein said coordinating step further comprises: coordinating in a first cell a contention-free session, each said contention-free session including multiple transmissions with other member stations in the first cell, said time duration being such that a plurality of multicast frames are delivered in a single communication stream eliminating the requirement for contending for a communication medium for each multicast frame transmission.

23. (Previously Presented) A mobile terminal comprising:
a counter; and

means to receive a computed duration for transmission of a plurality of multicast frames, wherein said computed duration controls a counter in each of a plurality of devices associated with a wireless multicast infrastructure basic service set network including said mobile terminal.

24. (Previously Presented) The mobile terminal according to claim 23, further wherein a multicast communication stream to said plurality of devices associated with said wireless network is uninterrupted for said computed duration.

25 (Previously Presented) The mobile terminal according to claim 23, further wherein said counter is a network allocation counter.

26. (Previously Presented) The mobile terminal according to claim 23, further wherein said counter prevents all but one of said plurality of devices associated with said wireless network from attempting to transmit for a predetermined period of time.